



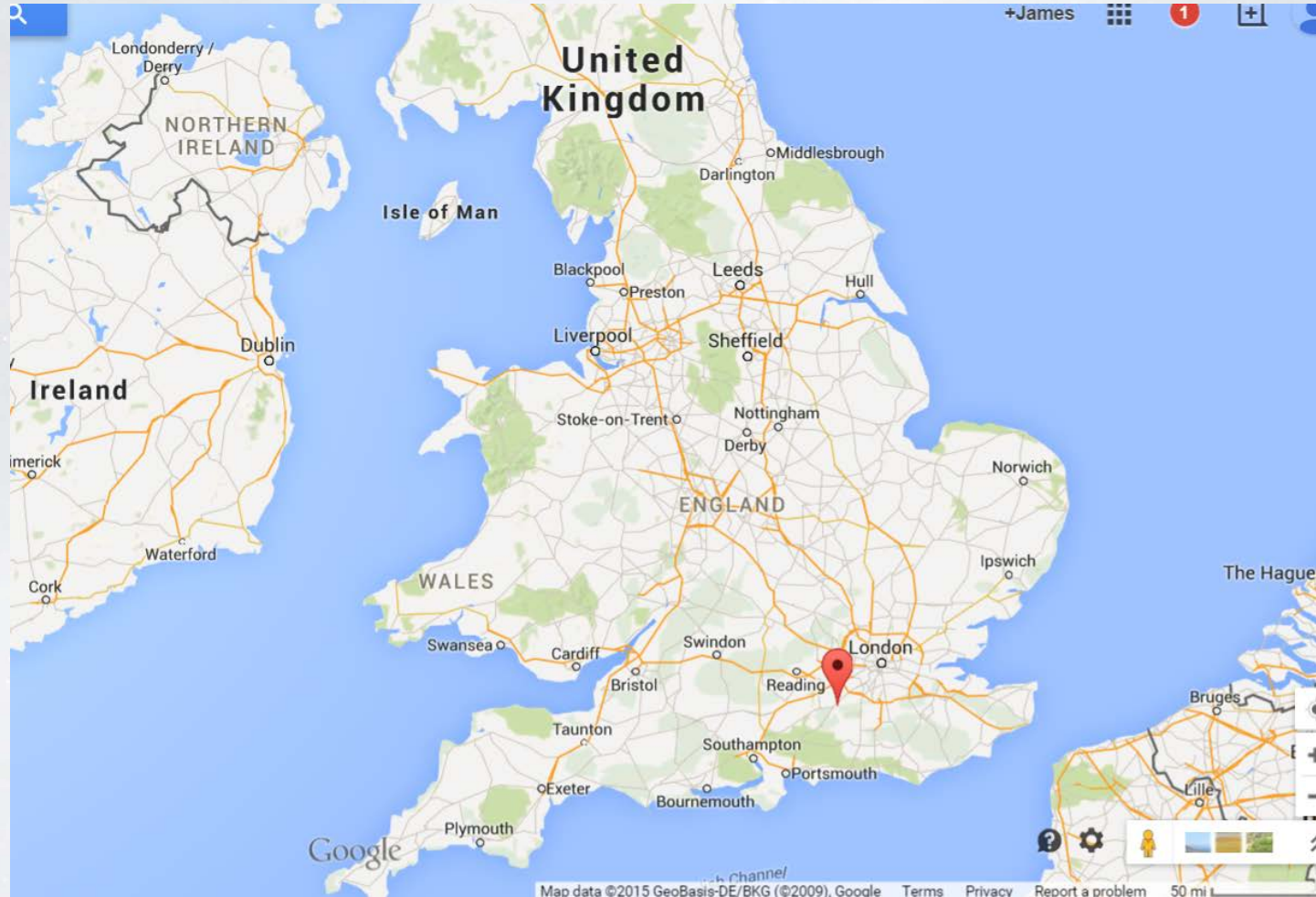
Intro to Satellite Imaging: University of Surrey, UK

8 Days in England in May + half-semester online =
Credit (3 hrs) for EE/GEOL/MTEOR/NREM 489/589

www.engineering.iastate.edu/studyabroad



Where is Guildford?



Introduction to Satellite Imaging of the Earth

**Half-semester spring online class &
1 week+ in the UNITED KINGDOM
May 5-13, 2018**

- ✓ Study how satellites view and measure properties on Earth using visible light, infrared and thermal energy, imaging radar, and lasers.
- ✓ Learn how these images are used in different applications including: disaster response, precision agriculture, geology, forestry.
- ✓ The fundamentals of electromagnetic radiation are presented without extensive mathematics (no calculus required).

Introduction to Satellite Imaging of the Earth

- ✓ Tour the Surrey Satellite Technology Ltd. (SSTL) company where satellites are manufactured and controlled in orbit.
- ✓ Tour the Surrey Space Centre at the University of Surrey, where world-class research on satellite engineering is conducted.
- ✓ Guest lectures from University of Surrey faculty on their research will complement and enliven the course material.

Introduction to Satellite Imaging of the Earth

- *U. Surrey campus is a 10-15 minute walk from the city Centre and train station.*
- *Faculty seminars one day at Surrey Space Centre*
- *Guildford is 30 miles south-west of **London** with easy train service*
- *Included side trips are:*
 - *Stonehenge and Salisbury*
 - *London Science Museum, Buckingham Palace*
 - *Royal Observatory Greenwich, Nautical Museum*
- *One day of students' choice!*



Introduction to Satellite Imaging of the Earth



Town center Guildford



University of Surrey campus

Introduction to Satellite Imaging of the Earth

Surrey Satellite Technology Ltd.



Surrey Space Centre, U. Surrey

IOWA STATE UNIVERSITY

Introduction to Satellite Imaging of the Earth

Surrey hills



Classic British pubs

Introduction to Satellite Imaging of the Earth

Lodging in apartments in central Guildford:



Introduction to Satellite Imaging of the Earth

Program fees (preliminary): \$1050

- **Program fee includes** lodging, one dinner, local transportation (including trip to Stonehenge and Royal Observatory in Greenwich), entrance fees and tours.
- Undergraduate students can apply for a \$1500 scholarship from the College of Engineering. The award is for all students from any major, regardless of college.
- GEAT students: a scholarship available with preference to this department (up to \$2,000).
- Also apply for additional financial aid on the study abroad web site:
 - <https://isuabroad.iastate.edu/>

- Program director: Jim Aanstoos
 - aanstoos@iastate.edu

